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ABSTRACT

A vulcanizing mold for pneumatic tires includes upper and lower base plates, upper and lower sidewall mold members attached to the upper and lower base plates, respectively; and upper and lower tread mold members
5 attached to the upper and lower base plates, respectively. The upper and lower tread mold members are constituted of upper segments and lower segments, respectively. The upper and lower segments can be radially expanded and contracted relative to the upper and lower sidewall mold members, respectively. In operation, the upper and lower sidewall mold
10 members are displaced toward each other so that the upper and lower segments are brought into abutment with each other. Then, a single cam ring is operated to cause all of the segments to be simultaneously displaced radially inwards and relative to the upper and lower sidewall mold members, with the upper segments in abutment with the lower segments.

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